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(FILE 'HOME' ENTERED AT 19:40:31 ON 17 FEB 2004)

FILE 'CAPLUS, USPATFULL' ENTERED AT 19:40:49 ON 17 FEB 2004

|     |  |
|-----|--|
| L1  | 203553 S ?VINYLACETATE OR ?VINYL ACETATE       |
| L2  | 75212 S ?VINYLPIRROLIDONE OR ?VNYL PYRROLIDONE |
| L3  | 117180 S GRANULAT?                             |
| L4  | 2581 S L1 AND L2 AND L3                        |
| L5  | 87 S L1 (P) L2 (P) L3                          |
| L6  | 9284 S L1 (P) L2                               |
| L7  | 898 S L6 AND L3                                |
| L8  | 3377076 S BURNER OR HEAT?                      |
| L9  | 31 S L8 AND L5                                 |
| L10 | 5 S L8 (P) L5                                  |

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L10 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:89357 USPATFULL

TITLE: Retarding formulations of active substances used for plant protection

INVENTOR(S): Ernst, Andreas, Worms, GERMANY, FEDERAL REPUBLIC OF  
Bratz, Matthias, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
Schneider, Karl-Heinrich, Kleinkarlbach, GERMANY, FEDERAL REPUBLIC OF  
Lange, Armin, Heidelberg, GERMANY, FEDERAL REPUBLIC OF  
Kessler, Thomas, Schifferstadt, GERMANY, FEDERAL REPUBLIC OF  
Schelberger, Klaus, Gonnheim, GERMANY, FEDERAL REPUBLIC OF  
Strathmann, Siegfried, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

|                     | NUMBER         | KIND | DATE         |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6541425     | B1   | 20030401     |
|                     | WO 9956540     |      | 19991111     |
| APPLICATION INFO.:  | US 2000-674182 |      | 20001027 (9) |
|                     | WO 1999-EP2698 |      | 19990422     |

|                       | NUMBER                                   | DATE     |
|-----------------------|--|----------|
| PRIORITY INFORMATION: | DE 1998-19819282                         | 19980430 |
| DOCUMENT TYPE:        | Utility                                  |          |
| FILE SEGMENT:         | GRANTED                                  |          |
| PRIMARY EXAMINER:     | Pryor, Alton N                           |          |
| LEGAL REPRESENTATIVE: | Keil & Weinkauff                         |          |
| NUMBER OF CLAIMS:     | 9  |          |
| EXEMPLARY CLAIM:      | 1  |          |
| NUMBER OF DRAWINGS:   | 12 Drawing Figure(s); 12 Drawing Page(s) |          |
| LINE COUNT:           | 1091                                     |          |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Solid formulation of a crop protection product can be obtained by melt extrusion and shaping of a mixture consisting of:

0.1-80% by weight of an active ingredient which can be used in crop protection, or of a combination of such active ingredients,

10-80% by weight of at least one mineral filler,

0-20% by weight of inorganic or organic additives, and

SUMM to 100% by weight of at least one thermoplastic water-insoluble polymer  
In DE 19 622 355, crop protection agents are subjected to melt extrusion and **granulation** together with a **vinyl acetate** polymer which is insoluble in water and a water-soluble polymer (**polyvinyl acetate/vinylpyrrolidone**). Due to low glass transition temperatures, formulations based on **polyvinyl acetate** polymers exhibit insufficient

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L10 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 1999:166793 USPATFULL  
TITLE: Solid support with attached molecules  
INVENTOR(S): Loewy, Zvi Gerald, Fair Lawn, NJ, United States  
Singh, Bawa, Vorhees, NJ, United States  
PATENT ASSIGNEE(S): Sarnoff Corporation, Princeton, NJ, United States (U.S. corporation)

|                     | NUMBER         | KIND | DATE         |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6004752     |      | 19991221     |
| APPLICATION INFO.:  | US 1997-956348 |      | 19971023 (8) |

|                       | NUMBER                                 | DATE          |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1997-54071P                         | 19970729 (60) |
| DOCUMENT TYPE:        | Utility                                |               |
| FILE SEGMENT:         | Granted                                |               |
| PRIMARY EXAMINER:     | Houtteman, Scott W.                    |               |
| LEGAL REPRESENTATIVE: | Burke, William J.                      |               |
| NUMBER OF CLAIMS:     | 19                                     |               |
| EXEMPLARY CLAIM:      | 1                                      |               |
| NUMBER OF DRAWINGS:   | 7 Drawing Figure(s); 3 Drawing Page(s) |               |
| LINE COUNT:           | 1368                                   |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a solid support having a composition of at least one compound deposited thereon by electrostatic or controlled field deposition, wherein the compound is attached to the support. Also provided is a method of preparing the solid support by creating an electromagnetic force for attracting particles having a first charge to a surface of the solid support and contacting the surface with the charged particles, which comprise the composition, and thereby coating the surface with the composition. Further provided is a probe array comprising spatially resolved probes deposited and attached on a solid support by electrostatic or controlled field deposition. These methods, supports and arrays provide the building blocks for methods of nucleic acid amplification and for constructing apparatuses for conducting chemical processes.

DETD . . . et al., Sandoz, Inc. (contains alkaloids incorporated into a basic pH affected controlled release matrix selected from cellulose acetate phthalate, **polyvinyl acetate** phthalate and hydroxy propylmethyl cellulose phthalate); (2) U.S. Pat. No. 4,111,202, "Osmotic System for the Controlled and Delivery of Agent. . . Alza Corp.; (3) U.S. Pat. No. 4,173,626, "Sustained Release Indomethacin," Dempski et al., Merck & Co., Inc. (coats pellets with **polyvinyl acetate** to slow release); (4) U.S. Pat. No. 4,178,361 "Sustained Release Pharmaceutical Composition," Cohen et al., Union Corp. (uses a water-soluble. . . (13) U.S. Pat. No. 4,587,118, "Dry Sustained Release Theophylline Oral Formulation," Hsiao, Key Pharmaceuticals, Inc., (seed coated with theophylline and **polyvinylpyrrolidone**, then coated with a mixture of ethylcellulose and hydroxypropylcellulose); (14) U.S. Pat. No. 4,666,705, "Controlled Release Formulation," DeCrosta et al., . . . Sons, Inc.; (15) U.S. Pat. No. 4,716,041, "Diffusion Coated Multiple-Units Dosage Form," Kjornaes et al., A/S Alfred Benzon (formulation is **heated** to form, in an film coating located inside an outer film layer, a continuous phase); (16)

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U.S. Pat. No. 4,784,858,. . . whose aqueous solubility is inversely proportional to that of the active are adsorbed to a cross-linked polymer such as cross-linked **polyvinylpyrrolidone**, carboxymethylcellulose or methylcellulose); (19) U.S. Pat. No. 5,178,868, "Dosage Form," Malmqvist-Granlund et al., Kabi Pharmacia Aktiebolag (cores coated with a mixture of (a) a copolymer of vinyl chloride/**vinyl acetate**/vinyl alcohol monomers and (b), for creating pores, a substance that is soluble in water); (20) U.S. Pat. No. 5,234,691, "Sustained-Release. . . agent and a polyanion such a carboxyvinyl polymer or carboxymethylcellulose and coated with a slightly water-soluble macromolecular substance such as **polyvinyl acetate**, ethyl cellulose, aminoalkylmethacrylate copolymer, methacrylic acid copolymer, cellulose acetates, polyethylene, polymethyl methacrylate, polydimethyl-siloxane, hardened oil, beeswax, carnauba wax, sucrose fatty. . . 5,492,700, "Process and Composition for the Development of Controlled Release Gemfibrozil Dosage Form," Ghebre-Sellassie et al., Warner-Lambert Co. (a single **granulation** of gemfibrozil particles **granulated** with a release-control agent such as of cellulose phthalate, ethyl cellulose, polyvinyl phthalate, cellulose succinate, cellulose butyrate, poly(meth)acrylic acid, partially. . .

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**heat** resistance. Upon **heat** aging (14 days at 54° C.), **granulated** melt extrudates made of **polyvinyl acetate** and **polyvinylpyrrolidone** coalesce to form a coherent mass.